



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Li

Application Number: 09/101,518

Group Art Unit: 1646

Filed: December 21, 1998

Examiner: M. Pak

Title: **Human G-Protein Chemokine
Receptor HSATU68**

Attny. Docket No.: PF218US

DECLARATION OF YI LI UNDER 37 C.F.R. § 1.131

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I, Yi Li, hereby declare and state as follows:

1. I am the inventor of the subject matter described and claimed in the above-identified U.S. patent application, which is assigned to Human Genome Sciences, Inc. (HGS). The work described below occurred at HGS, which is located in Rockville, Maryland, USA.
2. The above-identified patent application relates to the isolation and characterization of a cDNA encoding a novel gene product designated human G-protein chemokine receptor HSATU68.
3. The nucleotide sequence of clone HSATU68 disclosed in original Figures 1A-1D of the captioned application (see Exhibit A) was determined at HGS prior to September 1995.
4. Attached hereto as Exhibit B is a redacted printout of data from the relevant pages of an HGS full length project report identifying cDNA clone HSATU68 (page 1), and disclosing the full length sequence (pages 12-13). The redacted date of the nucleotide sequence in Exhibit B is prior to September 1995.

5. The nucleotide sequence disclosed in original Figures 1A-D of the above-identified application (Exhibit A) is the same as that disclosed in the redacted printout of data from the HGS full length project report having a date prior to September 1995 (Exhibit B).

6. I declare further that all statements made in this Declaration are of my own knowledge and are true and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date:

11/27/03

A handwritten signature in black ink, appearing to read 'Yi Li', is written over a horizontal line.

Yi Li

FIG. 1B

MATCH WITH FIG. 1A

GCCAGCCCTCAACAGCCTCCTTCTGCTGGGGCTGTGGCAACGGCGGTGGCAGC
P A L N S L L F L L G L L G N G A V A A 590

CGTGCTGCTGAGCCGGGACAGCCCTGAGCAGCAGCAGCCTTCCTGCTCCACCTAGC
V L L S R R T A L S S T D T F L L H L A 570

TGTAGCAGACAGCCTGCTGGTGTGACACTGCCGCTCTGGCAGTGGACGCTGCCGTCCA
V A D T L L V L T L P L W A V D A A V Q 630

GTGGGTCTTTGGCTCTGGCCTCTGCAAGTGGCAGGTGCCCTCTTCAACATCAACTTCTA
W V F G S G L C K V A G A L F N I N F Y 710

CGCAGGAGCCCTCCTGCTGGCCTGCATCAGCTTTGACCGGTACCTGAACATAGTTCATGC
A G A L L L A C I S F D R Y L N I V H A 730

CACCCAGCTCTACCGCGGGGGCCCCCGCGGTGACCTCACCCTGCCTGGCTGTCTG
T Q L Y R R G P P A R V T L T C L A V W 810

GGGGCTCTGCTGCTTTTCGCCCTCCAGACTTCATCTTCTGTGCGCCACCACGACGA
G L C L L F A L P D F I F L S A H H D E 830

GCGCCTCAAGCCACCCACTGCCAATACAACCTTCCCACAGGTGGCGGCACGGCTCTGCG
R L N A T H C Q Y N F P Q V G R T A L R 850

MATCH WITH FIG. 1C

FIG. 1C

MATCH WITH FIG. 1B

970	990	1010
GGTGTGCAGCTGGTGGCTGGCTTTCTGCTGCCCTGCTGGTCACTGGCCTACTGCTATGC		
V L Q L V A G F L L P L L V M A Y C Y A		
1030	1050	1070
CCACATCCTGGCCGTGCTGCTGGTTTCCAGGGGCCAGCGCGCCCTGCGGGCCATGCGGGCT		
H I L A V L L V S R G Q R R L R A M R L		
1090	1110	1130
GGTGGTGGTGGTGGTGGCCCTTTGGCCCTCTGCTGGACCCCTATCACCTGGTGGTGCT		
V V V V V V A F A L C W T P Y H L V V L		
1150	1170	1190
GGTGGACATCCTCATGGACCTGGGGCTTTGGCCCGCAACTGTGGCCGAGAAAGCAGGGT		
V D I L M D L G A L A R N C G R E S R V		
1210	1230	1250
AGACGTGGCCCAAGTCGGTCACCTCAGGCCCTGGGCTACATGCACTGCTGCCCTCAACCCGCT		
D V A K S V T S G L G Y M H C C L N P L		
1270	1290	1310
GCTCTATGCCCTTTGTAGGGTCAAGTTCGGGAGCGGATGTGGATGCTGCTCTTGCGCCT		
L Y A F V G V K F R E R M W M L L R L		

MATCH WITH FIG. 1D

MATCH WITH FIG. 1C

FIG. 1D

1330 1350 1370
GGGCTGCCCCAACACAGAGAGGGCTCCAGAGGCAGCCATCGTCTTCCCCGGGATTTCATC
G C P N Q R G L Q R Q P S S R R D S S
1390 1410 1430
CTGGTCTGAGACCTCAGAGGCTCCTACTCGGCTTGTGAGGCCGGAATCCGGGCTCCCC
W S E T S E A S Y S G L *
1450 1470 1490
TTTCGCCACAGTCTGACTTCCCCGCAATCCAGGCTCCTCCCTCCCTCTGCCGGCTCTGG
1510 1530 1550
CTCTCCCCAATATCCTCGCTCCCCGGGACTCACTGGCAGCCCCAGCACCCAGGTCTCCTCC
1570 1590 1610
GGGAAGCCACCCCTCCCAGCTCTGAGGACTGCACCATTTGCTGCTCCTTAGCTGCCAAGCCCC
1630 1650 1670
CATCCTGCCGCCGAGGTGGCTGCCCTGGAGCCCCCACTGCCCTTCTCATTTGGAAACTAAA
1690 1710 1730
ACTTCATCTTCCCCAAGTGCGGGGAGTACAAGGCATGGCGGTAGAGGGTGTGCCCCCATGA
1750 1770 1790
AGCCACAGCCCCAGGCCCTCCAGCTCAGCAGTGACTGTGGCCATGGTCCCCCAAGACCTCTAT
1810 1830 1850
ATTTGGTCTTTTATTTTATGTCTAAAATCCTGCTTAAACTTTTCAATAAACAAGATCG
1870
TCAGGAAAAAATAAAA

HGS Full Length Project Report

Project Information

Clone ID: HSATU68

Full Length Information

Following is the complete sequence of the full-length clone.

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CCTGAAGGGAGAGCAGGGAGAGAGAGACAGTGGCCAGAGAGGGCTCTGGGCACTGGAGGGACGCTCTTCTTCTGCCC
AGGGGTCCCTGGGCCGATGGGATCACGCAGAAGAATGCGAGAGAAGCAGCCTTTGAGAAGGGAAGTCACTATCCCAGAG
CCCAGACTGAGCGGATGGAGTTGAGGAAGTACGGCCCTGGAAGACTGGCGGGGACAGTTATAGGAGGAGCTGCTCAGAG
TAAATCACAGACTAAATCAGACTCAATCACAAAAGAGTTCTTGCCAGGCCTTTACACAGCCCCTTCTCCCCGTTCCCG
CCCTCACAGGTGAGTGACCACCAAGTGCTAAATGACGCGAGGTTGCCGCCCTCCTGGAGAACTTCAGCTCTTCCTATG
ACTATGGAGAAAACGAGAGTGAATCGTGCTGTACCTCCCCGCCCTGCCACAGGACTTCAGCCTGAACTTCGACCGGGC
CTTCTGCCAGCCCTCAACAGCCTCCTCTTTCTGCTGGGGCTGCTGGGCAACGGCGCGGTGGCAGCCGTGCTGCTGAGC
CGGCGGACAGCCCTGAGCAGCACCGACACCTTCTGCTCCACCTAGCTGTAGCAGACACGCTGCTGGTGTGACTGCTG
CGCTCTGGGCAGTGGACGCTGCCGTCCAGTGGGTCTTTGGCTCTGGCCTCTGCAAAGTGGCAGGTGCCCTCTTCAACAT
CAACTTCTACGCAGGAGCCCTCCTGCTGGCCTGCATCAGCTTTGACCGCTACCTGAACATAGTTTATGCCACCCAGCTC
TACCGCCGGGGGCCCCCGGCCCGGTGACCCCTCACCTGCCTGGCTGTCTGGGGGCTCTGCCTGCTTTTCGCCCTCCAG
ACTTCATCTTCTGTGCGGCCACACGACGAGCGCCTCAACGCCACCCACTGCCAATACAACCTCCACAGGTGGGCCG
CACGGCTCTGCGGGTGCTGCAGCTGGTGGCTGGCTTTCTGCTGCCCTGCTGGTCACTGGCCTACTGCTATGCCACATC
CTGGCCGTGCTGCTGGTTTCCAGGGGCCAGCGGCCCTGCGGGCCATGCGGCTGGTGGTGGTGGTGGTGGTGGCTTTG
CCCTCTGCTGGACCCCTATCACCTGGTGGTGGTGGTGGACATCCTCATGGACCTGGGCGCTTTGGCCCGCAACTGTGG
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CCGAGAAAGCAGGGTAGACGTGGCCAAGTCGGTCACCTCAGGCCTGGGCTACATGCACTGCTGCCTCAACCCGCTGCTC
TATGCCTTTGTAGGGGTCAAGTTCCGGGAGCGGATGTGGATGCTGCTCTTGCGCCTGGGCTGCCCCAACCCAGAGAGGGC
TCCAGAGGCAGCCATCGTCTTCCCGCCGGGATTCATCCTGGTCTGAGACCTCAGAGGCCTCCTACTCGGGCTTGTGAGG
CCGGAATCCGGGCTCCCCTTTCGCCCACAGTCTGACTTCCCGCATTCAGGCTCCTCCCTCCCTCTGCCGGCTCTGGC
TCTCCCCAATATCCTCGCTCCCGGACTCACTGGCAGCCCCAGCACCACCAGGTCTCCCGGGAAGCCACCCTCCCAGCT
CTGAGGACTGCACCATTGCTGCTCCTTAGCTGCCAAGCCCCATCCTGCCGCCGAGGTGGCTGCCTGGAGCCCCACTGC
CCTTCTCATTTGGAAACTAAACTTCATCTTCCCCAAGTGGGGGAGTACAAGGCATGGCGTAGAGGGTGCTGCCCCAT
GAAGCCACAGCCAGGCCTCCAGCTCAGCAGTGAAGTGGCCATGGTCCCCAAGACCTCTATATTTGGTCTTTTATTTT
TATGTCTAAAATCCTGCTTAAACTTTTCAATAACAAGATCGTCAGGAAAAAAAAA